

### Abstract

A device for realizing an online element analysis for a substance (S) that is conveyed past or flows past a measuring station is provided with a device for conveying the substance to be measured, a measuring station with an X-ray source (10), and an X-ray fluorescence detector (20) with radiation inlet. To improve the tolerance to calibration errors and a changing height of the sample surface, at least one first X-ray conductor (30) extends from the radiation inlet of the X-ray fluorescence detector in the direction of the conveying device (51). (Figure 3).